

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E84921

Participation : CTR

Employer : The Boeing Company

Status : Affected

Worksite : The Boeing Company - Spares Center

Survey Type : Online

Street : 2201 S 142nd St

Response Rate : 40%

Jurisdiction : City of SeaTac

Survey Date : 5/1/2018

Non-Drive Alone & One-Way VMT Rates at this Worksite

Non-Drive Alone Rate : 7.4%

Drive Alone Rate : 92.6%

One-Way VMT per employee : 18.2

Average One-Way distance home to work : 19.5

Employees and Survey Response Information

Reported Total Employees at Worksite: 301

Surveys Distributed : 213

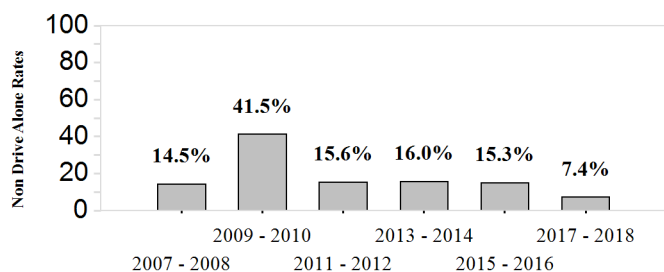
Surveys Returned : 86

Surveys Returned by CTR Affected* Employees : 71

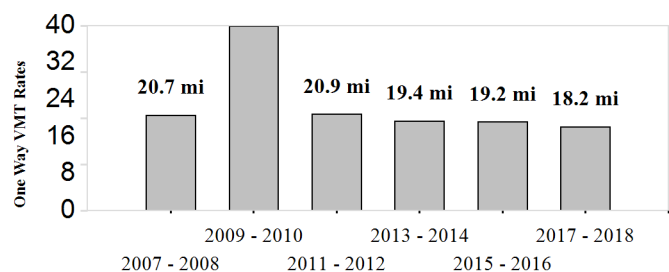
Total Estimated CTR Affected Employees at Worksite : 176

**CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.*

Non Drive Alone Rates - ALL Employees



One Way VMT per Employee - ALL Employees



Site History and Targets

Annual Metric Tons CO₂e Pounds CO₂e

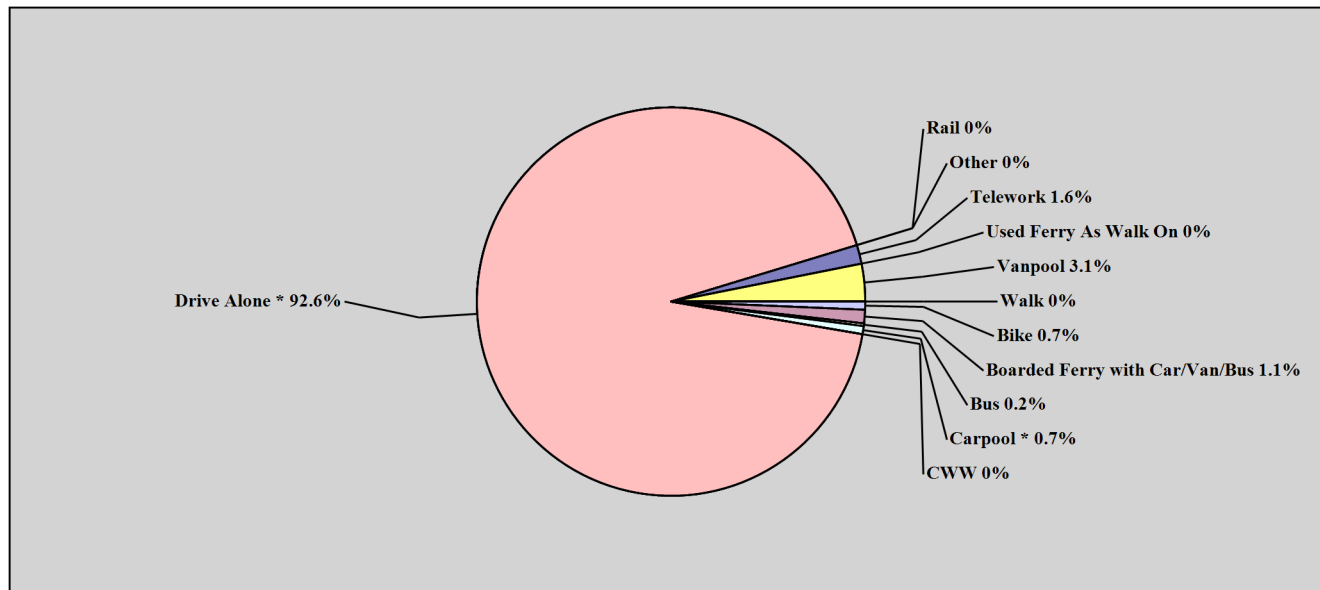
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	14.5%	16.0%	1252	1924	56.4	20.7	19.3
2009 - 2010	20.9%	26.6%	475	1397	40.9	20.6	19.5
2009 - 2010	20.6%	20.6%	650	1677	49.1	19.5	19.5
2011 - 2012	15.6%	18.7%	420	1582	46.3	20.9	19.9
2013 - 2014	16.0%	19.4%	696	1282	37.6	19.4	17.9
2015 - 2016	15.3%	20.1%	897	1321	38.7	19.2	18.2
2017 - 2018	7.4%	7.0%	362	1265	37.1	18.2	17.6
Target	34.9%				Target:	11.9	
% Point Change Target:	20.4				% Change Target:	-42.5%	
% Point Change from Baseline:	-7.1				% Change from Baseline:	-12.1%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



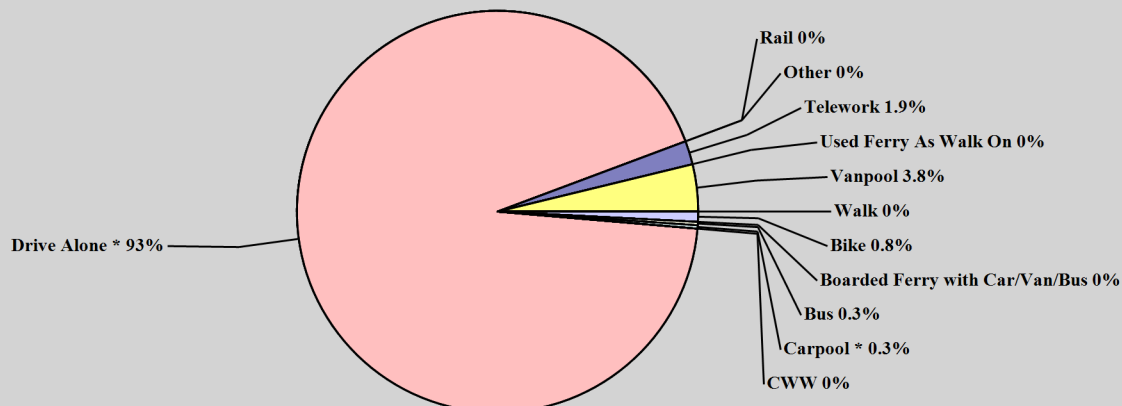
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	414	92.6%	84.7%	83	96.5%	90.0%
Carpool *	3	0.7%	7.4%	2	2.3%	9.1%
Vanpool	14	3.1%	5.9%	3	3.5%	6.8%
Bus	1	0.2%	0.1%	1	1.2%	0.5%
Rail	0	0.0%	0.2%	0	0.0%	0.5%
Bike	3	0.7%	0.3%	1	1.2%	1.4%
Walk	0	0.0%	0.5%	0	0.0%	0.9%
Telework	7	1.6%	0.1%	4	4.7%	0.5%
CWW	0	0.0%	0.2%	0	0.0%	0.5%
Boarded Ferry with Car/Van/Bus	5	1.1%	0.0%	1	1.2%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	0	0.0%	0.6%	0	0.0%	0.5%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	343	93.0%	79.9%	69	97.2%	86.1%
Carpool *	1	0.3%	9.3%	1	1.4%	11.7%
Vanpool	14	3.8%	8.9%	3	4.2%	10.2%
Bus	1	0.3%	0.1%	1	1.4%	0.7%
Rail	0	0.0%	0.3%	0	0.0%	0.7%
Bike	3	0.8%	0.1%	1	1.4%	0.7%
Walk	0	0.0%	0.9%	0	0.0%	1.5%
Telework	7	1.9%	0.1%	4	5.6%	0.7%
CWW	0	0.0%	0.3%	0	0.0%	0.7%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.0%	0	0.0%	0.0%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	0	0.0%	0.0%	0	0.0%	0.0%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	76	88%	86	100%
1 Days	0	0%	10	12%
2 Days	5	6%	10	12%
3 Days	1	1%	5	6%
4 Days	0	0%	4	5%
5 Days	4	5%	4	5%
6 or More Days	0	0%	0	0%

Count by Occupancy of Carpools and Vanpools

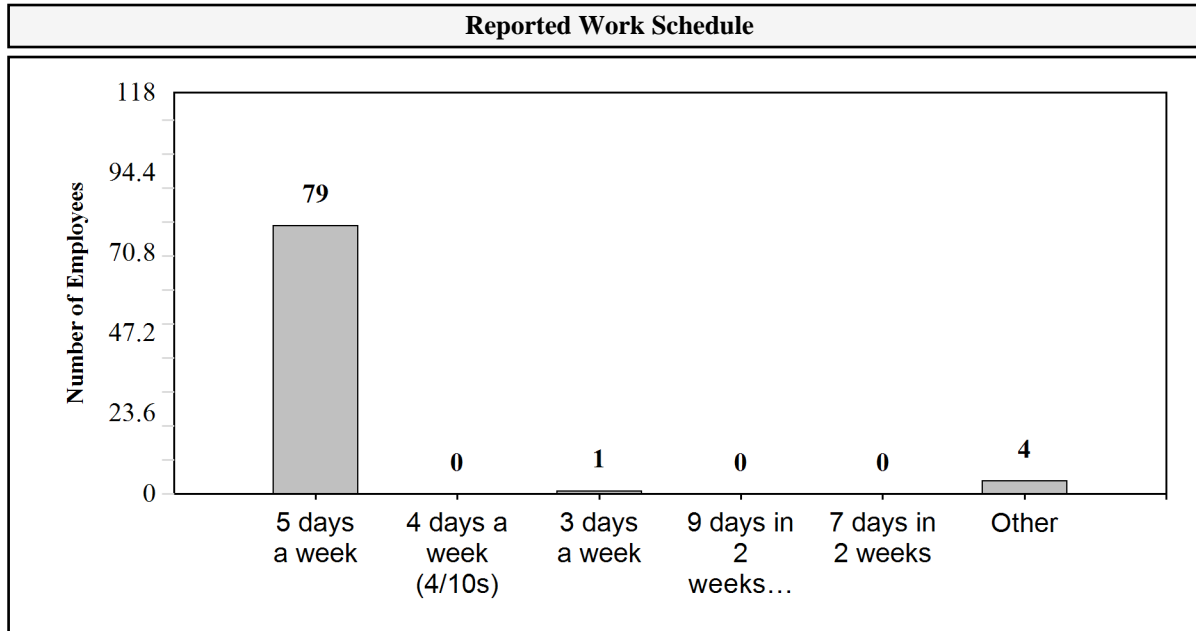
Q.5 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
2*	Carpool	2
3	Carpool	0
4	Carpool	0
5	Carpool	0
>5	Carpool	1
<5	Vanpool	0
5	Vanpool	0
6	Vanpool	0
7	Vanpool	5
8	Vanpool	9
9	Vanpool	0
10	Vanpool	0
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
>14	Vanpool	0

* Motorcycle-2 counted with Carpool-2 for this table.

Reported Work Schedule - All Employees

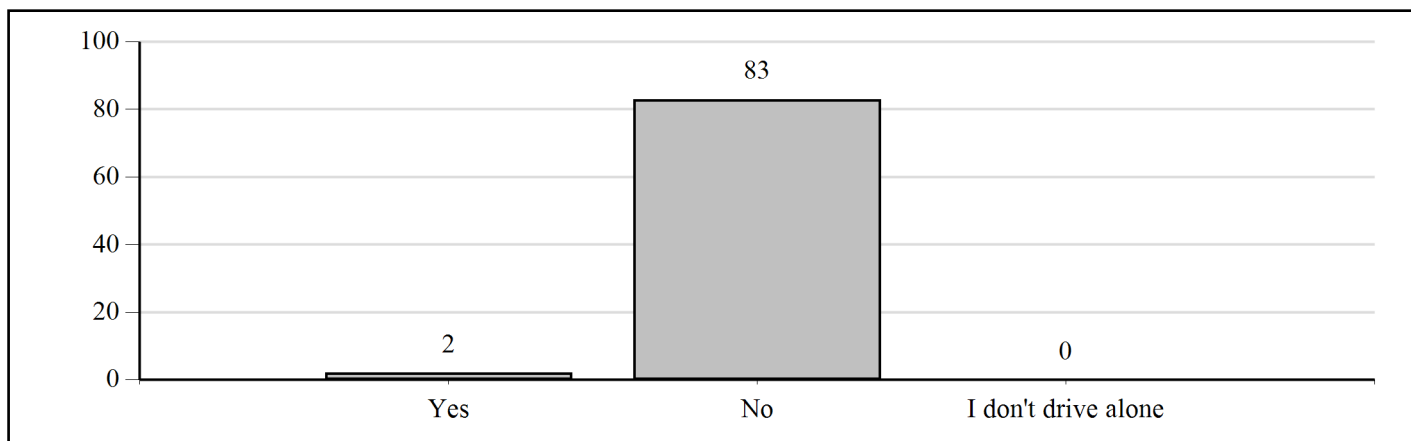
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	79	94%
4 days a week (4/10s)	0	0%
3 days a week	1	1.2%
9 days in 2 weeks (9/80)	0	0%
7 days in 2 weeks	0	0%
Other	4	4.8%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	1	1.2%
I don't telework	67	77.9%
Occasionally, on an as-needed basis	13	15.1%
1-2 days/month	1	1.2%
1 day/week	3	3.5%
2 days/week	1	1.2%
3 days/week	0	0.0%

Reasons for driving alone to work/not driving alone to work
Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
To save money	23	17.3%
Other	20	15.0%
Financial incentives for carpooling, bicycling or walking.	19	14.3%
Personal health or well-being	14	10.5%
To save time using the HOV lane	11	8.3%
I have the option of teleworking	11	8.3%
Free or subsidized bus, train, vanpool pass or fare benefit	9	6.8%
Environmental and community benefits	9	6.8%
Cost of parking or lack of parking	4	3.0%
Emergency ride home is provided	4	3.0%
I receive a financial incentive for giving up my parking space	4	3.0%
Driving myself is not an option	3	2.3%
Preferred/reserved carpool/vanpool parking is provided	2	1.5%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I like the convenience of having my car	62	29.1%
Riding the bus or train is inconvenient or takes too long	54	25.4%
Family care or similar obligations	34	16.0%
My commute distance is too short	18	8.5%
Other	15	7.0%
My job requires me to use my car for work	12	5.6%
Bicycling or walking isn't safe	10	4.7%
I need more information on alternative modes	6	2.8%
There isn't any secure or covered bicycle parking	2	0.9%

Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98030	6	6.98%	30	0	0	0	0	0	0	0	0	0	0	0	0
98003	5	5.81%	25	0	0	0	0	0	0	0	0	0	0	0	0
98198	5	5.81%	27	0	0	0	0	0	0	0	0	0	0	0	0
98042	4	4.65%	18	0	0	0	0	0	0	0	0	0	0	0	0
98058	4	4.65%	21	0	0	0	0	0	0	0	0	0	0	0	0
98168	4	4.65%	21	0	0	0	0	0	0	0	0	0	0	0	0
98001	3	3.49%	15	0	0	0	0	0	0	0	0	0	0	0	0
98166	3	3.49%	12	0	0	0	0	0	3	0	0	0	0	0	0
	2	2.33%	11	0	0	0	0	0	0	0	2	0	0	0	0
98002	2	2.33%	10	0	0	0	0	0	0	0	0	0	0	0	0
98010	2	2.33%	12	0	0	0	0	0	0	0	0	0	0	0	0
98022	2	2.33%	13	0	0	0	0	0	0	0	0	0	0	0	0
98023	2	2.33%	10	0	0	0	0	0	0	0	0	0	0	0	0
98032	2	2.33%	9	0	0	3	0	0	0	0	0	0	0	0	0
98103	2	2.33%	10	0	0	0	0	0	0	0	0	0	0	0	0
98118	2	2.33%	10	0	0	0	0	0	0	0	0	0	0	0	0
98338	2	2.33%	11	0	0	0	0	0	0	0	0	0	0	0	0
98354	2	2.33%	10	0	0	0	0	0	0	0	0	0	0	0	0
98391	2	2.33%	10	0	0	0	0	0	0	0	0	0	0	0	0
98422	2	2.33%	8	0	0	0	1	0	0	0	1	0	0	0	0
98004	1	1.16%	5	0	0	0	0	0	0	0	0	0	0	0	0
98007	1	1.16%	5	0	0	0	0	0	0	0	0	0	0	0	0
98011	1	1.16%	5	0	0	0	0	0	0	0	0	0	0	0	0
98038	1	1.16%	5	0	0	0	0	0	0	0	0	0	0	0	0
98040	1	1.16%	6	0	0	0	0	0	0	0	0	0	0	0	0
98057	1	1.16%	5	0	0	0	0	0	0	0	0	0	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98059	1	1.16%	5	0	0	0	0	0	0	0	0	0	0	0	0
98092	1	1.16%	5	0	0	0	0	0	0	0	0	0	0	0	0
98106	1	1.16%	6	0	0	0	0	0	0	0	0	0	0	0	0
98107	1	1.16%	3	0	0	0	0	0	0	0	2	0	0	0	0
98116	1	1.16%	5	0	0	0	0	0	0	0	0	0	0	0	0
98122	1	1.16%	5	0	0	0	0	0	0	0	0	0	0	0	0
98126	1	1.16%	3	0	0	0	0	0	0	0	2	0	0	0	0
98148	1	1.16%	5	0	0	0	0	0	0	0	0	0	0	0	0
98188	1	1.16%	5	0	0	0	0	0	0	0	0	0	0	0	0
98203	1	1.16%	7	0	0	0	0	0	0	0	0	0	0	0	0
98270	1	1.16%	5	2	0	0	0	0	0	0	0	0	0	0	0
98366	1	1.16%	0	0	0	0	0	0	0	0	0	0	5	0	0
98371	1	1.16%	0	0	5	0	0	0	0	0	0	0	0	0	0
98372	1	1.16%	5	0	0	0	0	0	0	0	0	0	0	0	0
98375	1	1.16%	0	0	5	0	0	0	0	0	0	0	0	0	0
98390	1	1.16%	4	0	0	0	0	0	0	0	0	0	0	0	0
98402	1	1.16%	5	0	0	0	0	0	0	0	0	0	0	0	0
98446	1	1.16%	0	1	4	0	0	0	0	0	0	0	0	0	0
98466	1	1.16%	4	0	0	0	0	0	0	0	0	0	0	0	0
98580	1	1.16%	5	0	0	0	0	0	0	0	0	0	0	0	0
98591	1	1.16%	5	0	0	0	0	0	0	0	0	0	0	0	0
98597	1	1.16%	5	0	0	0	0	0	0	0	0	0	0	0	0